

ABSTRACT

A method for decoding received data in a decoder which receives data from an encoder varying a length of a Walsh code according to a coding rate of
5 transmission data, and has maximum IFHT (Inverse Fast Hadamard Transform) stages capable of decoding even the data encoded by a Walsh code with a maximum length. The method comprises selecting at least one IFHT stage among the maximum IFHT stages according to a length of the Walsh code used for the received data; and performing inverse fast Hadamard transform on the
10 received data by the selected IFHT stage.

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